

Abstract

A method for producing L-valine comprising the steps of cultivating the bacterium harboring a DNA coding for actohydroxy acid synthase isozyme III originating from *Escherichia coli* which is free from a inhibition by L-valine and has an activity to catalyze two reactions to generate α -acetolactate from pyruvate and α -aceto- α -hydroxybutyrate from α -ketobutyrate and pyruvate, producing and accumulating L-valine in the culture medium, and collecting L-valine from the culture medium.